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**IN THE CLAIMS**

Claims 1-21 (Canceled).

22. (New) A circuit for processing data representative of voice signals, the circuit having two signal paths comprising:

in a first signal path,

a queue for storing first voice data representative of a first voice signal; and

a digital to analog converter having an output, the digital to analog converter for receiving the first voice data from the queue, the digital to analog converter converting the first voice data to a first analog representation of the first voice signal, and,

in a second signal path,

an analog to digital converter having an input, the analog to digital converter for converting a second analog representation of a second voice signal to second voice data; and

signal processing circuitry for removing from the second voice signal represented by the second voice data, a portion of the first voice signal representative of the first voice data.

23. (New) The circuit of claim 22 wherein the signal processing circuitry comprises a subtractor.

24. (New) The circuit of claim 22 wherein the signal processing circuitry delays the voice data representative of a portion of the first voice data.

25. (New) The circuit of claim 22 wherein the portion removed comprises undesirable components of the first voice signal present in the second voice signal.

26. (New) The circuit of claim 22 further comprising:

at least one processor capable of processing received voice packets into the first voice data; and

the at least one processor capable of processing the second voice data into transmit voice packets.

27. (New) The circuit of claim 26 wherein the at least one processor is capable of adjusting the operation of the queue according to a rate of packet arrival.

28. (New) The circuit of claim 22 wherein the operation of the queue is adjusted based upon a propagation delay of a communication network.

29. (New) The circuit of claim 22 further comprising:  
at least one signal coupling circuit for coupling voice signals from a two wire telephone network connection to the input of the analog to digital converter; and  
the at least one signal coupling circuit for coupling voice signals from the output of the digital to analog converter to the two wire telephone network connection.

30. (New) A method of processing data representative of voice signals, the method comprising:  
receiving first voice data representative of a first voice signal;  
queuing the first voice data;  
converting the first voice data into a first analog representation of the first voice signal;  
converting a second analog representation of a second voice signal into second voice data; and  
removing from the second voice signal represented by the second voice data, a portion of the first voice signal representative of the first voice data.

31. (New) The method of claim 30 wherein removing comprises subtracting.

32. (New) The method of claim 30 wherein removing comprises delaying the portion of the first voice signal represented by the first voice data.

33. (New) The method of claim 30 wherein the portion removed comprises undesirable components of the first voice signal present in the second voice signal.

34. (New) The method of claim 30 further comprising:  
processing received voice packets to produce the first voice data; and  
processing the second voice data to produce transmit voice packets.

35. (New) The method of claim 30 further comprising:  
adjusting queuing and converting the first voice data according to a rate of packet arrival.

36. (New) The method of claim 30 further comprising:  
coupling to a two-wire telephone network connection, voice signals representing the first analog representation of the first voice signal; and  
coupling voice signals from the two wire telephone network connection to produce a voice signal representing the first analog representation of the first voice signal and the second analog representation of the second voice signal.

37. (New) A machine-readable storage, having stored thereon a computer program having a plurality of code sections for processing data representative of voice signals, the code sections executable by a machine for causing the machine to perform the operations comprising:

receiving first voice data representative of a first voice signal;  
queuing the first voice data;  
converting the first voice data into a first analog representation of the first voice signal;

converting a second analog representation of a second voice signal into second voice data; and

removing from the second voice signal represented by the second voice data, a portion of the first voice signal representative of the first voice data.

38. (New) The machine-readable storage of claim 37 wherein removing comprises subtracting.

39. (New) The machine-readable storage of claim 37 wherein removing comprises delaying the portion of the first voice signal represented by the first voice data.

40. (New) The machine-readable storage of claim 37 wherein the portion removed comprises undesirable components of the first voice signal present in the second voice signal.

41. (New) The machine-readable storage of claim 37 wherein the operations further comprise:

processing received voice packets to produce the first voice data; and  
processing the second voice data to produce transmit voice packets.

42. (New) The machine-readable storage of claim 37 wherein the operations further comprise:

adjusting queuing and converting the first voice data according to a rate of packet arrival.

43. (New) The machine readable storage of claim 37 wherein the operations further comprise:

adjusting queuing and converting the first voice data according to a propagation delay of a communication network.

44. (New) The machine-readable storage of claim 37 wherein the operations further comprise:

coupling to a two-wire telephone network connection, voice signals representing the first analog representation of the first voice signal; and

coupling voice signals from the two wire telephone network connection to produce a voice signal representing the first analog representation of the first voice signal and the second analog representation of the second voice signal.

45. (New) A system for processing data representative of voice signals, the system comprising:

at least one processor capable of receiving first voice data representative of a first voice signal;

the at least one processor capable of queuing the first voice data;

the at least one processor capable of converting the first voice data into a first analog representation of the first voice signal;

the at least one processor capable of converting a second analog representation of a second voice signal into second voice data; and

the at least one processor capable of removing from the second voice signal represented by the second voice data, a portion of the first voice signal representative of the first voice data.

46. (New) The system of claim 45 wherein removing comprises subtracting.

47. (New) The system of claim 45 wherein removing comprises delaying the portion of the first voice signal represented by the first voice data.

48. (New) The system of claim 45 wherein the portion removed comprises undesirable components of the first voice signal present in the second voice signal.

49. (New) The system of claim 45 wherein the at least one processor is capable of processing received voice packets to produce the first voice data, and the at least one processor is capable of processing the second voice data to produce transmit voice packets.

50. (New) The system of claim 45 wherein the at least one processor is capable of adjusting queuing and converting the first voice data according to a rate of packet arrival.

51. (New) The system of claim 45 wherein the at least one processor is capable of adjusting queuing and converting the first voice data according to a propagation delay of a communication network.

52. (New) The system of claim 45 wherein the voice signals representing the first analog representation of the first voice signal are communicatively coupled to a two-wire telephone network connection, and voice signals from the two wire telephone network connection are communicatively coupled to produce a voice signal representing the first analog representation of the first voice signal and the second analog representation of the second voice signal.